

**ABSTRACT**

The use of thermopolymeric switching medium in temperature monitoring devices in which thermopolymeric switching medium is used as a retaining materials and are based on polymeric compositions that can be designed and programmed to meet selective parameters in production and performance. The thermopolymeric switching mediums can be formulated in a pure state or can include additives, such as fillers or active materials to impact the characteristics of the thermopolymeric switching component.